



DASN (RDT&E) Modeling & Simulation Newsletter



CHARTING THE FUTURE THROUGH MODELING AND SIMULATION

IN THIS ISSUE – STRATEGIC ROADMAP

MESSAGE FROM THE DEPARTMENT OF THE NAVY RDT&E EXECUTIVE

As DASN RDT&E, I am always focused on improving the way we do business across Analysis, Systems Engineering, T&E, and Training. M&S is a key enabler and I am very pleased that we are working together across all of our communities to improve support for all of our PEOs and programs. The more we are aligned with common goals and a roadmap to the future, the better our chances of success. Looking forward to some good news stories and quick- wins from our M&S community.

Best,
Mary Lacey
DASN RDT&E

DEPARTMENT OF THE NAVY M&S EXECUTIVE'S CORNER

We are very excited to offer this new venue to collaborate and share information on M&S across the Department of the Navy. As we look at innovative ways to emulate the battlespaces of the future for Integrated War-fighting Capability assessment, Analysis, RDT&E and Training, a focus on improving best practices in M&S is more important than ever. This first edition of our M&S Newsletter will discuss 5 thrust areas which our leadership team is initially addressing to improve the way we do business. This includes Policy Governance and Management; RDT&E M&S Requirements Management Technology and Infrastructure Investment, M&S Capability Learning and Government/Industry/Academia Partnerships. Please peruse the roadmap and outcomes we are concentrating on to help develop a cost-effective, common sense approach to support DoN needs in the future. There's much work that needs to happen at all levels to make this happen. We look forward to working with all of you across our SYSCOMs, PEOS/Programs and technical communities to effect change. Feel free to provide inputs on your needs and any questions we can address in future editions via email contact information provided.

Enjoy your summer,

Amy

Ms. Amy Markowich
Naval M&S Executive

Strategic Roadmap for Research, Development, Test & Evaluation (RDT&E) Modeling & Simulation (M&S)

Introduction

Last year Ms. Amy Markowich, Naval Modeling and Simulation Executive, established a working group to assist with the development of a strategy and roadmap detailing strategic outcomes that, when achieved, will result in:

- aligned and relevant M&S policy
- coordinated M&S investments
- early identification and specificity of M&S requirements
- a more highly educated and trained M&S workforce
- stronger M&S government, military, and academia partnerships and consortia.

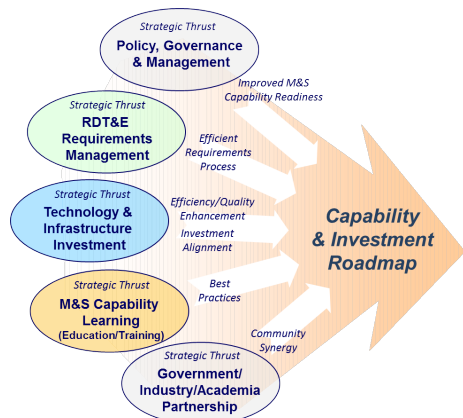
Following the guidance provided by Ms. Mary Lacey, Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation, and Ms. Markowich, the working group completed the development of a comprehensive Strategic Roadmap.

Progress

Since approval of the Strategic Roadmap the working group provided Strategic Roadmap briefings to the ASN/RDA M&S Community Senior Leadership Council, Naval Air Systems Command M&S Forum, Naval Sea Systems Command Forum, and the Space & Naval Warfare Systems Command M&S Forum.

CONTACT INFORMATION

For additional information, please contact
jmcdonnell@commandposttech.com



Strategic Thrusts

Policy, Governance & Management

The Navy M&S Office (NMSO) has outlined many of the policies, standards, and guidelines. Our role is to communicate what already exists and align the policies. Players in this community are the Acquisition M&S Working group, the OSD Systems Engineering Forum, the Test & Evaluation Community, and the M&S BOD.

Please contact Mr. John S. Moore at john.s.moore3@navy.mil for additional information.

RDT&E Requirements Management

The goal of this roadmap thrust area is to raise awareness of modeling and simulation efficiencies and provide paths for a common approach for identifying and sharing requirements, or needs, and applying solutions.

- Identify modeling and simulation needs early in the acquisition life cycle, and leveraging the M&S solutions across the entire acquisition life cycle.
 - Compare those modeling and simulation needs and solutions across all Naval RDT&E activities to create better efficiencies
 - Consolidate needs to provide more informed investing in modeling and simulation capabilities and tools
 - Provide best practices to capture and track modeling and simulation needs
 - Identify advocacy agents for resultant common processes and best practices that increase effectiveness of requirements management
- Please contact Mr. Jay Luxion at jay.luxion@ewa.com for additional information.

Technology & Infrastructure Investment

The Technology & Infrastructure Investment thrust is focused on the capture of current Naval Modeling and Simulation (M&S) Capabilities supporting RDT&E, assessing current and future technology and infrastructure needs supporting RDT&E, establishment of M&S and infrastructure projects that satisfy the identified RDT&E needs, and the alignment/ integration of existing M&S investment processes with existing Naval RDT&E investment processes. Current and future technology and tools include: Virtual World Collaborative Environment and Interoperable SYSCOM M&S capabilities (AMIE;ASN/RDA;CTEIP), Future Airborne Capability (FACE). Existing Navy M&S capabilities in the Naval Air Systems Command (NAVAIR) are currently being captured through the Navy Integrated Capabilities (NICAP) initiative, and this effort is planned to extend across all Naval Acquisition Systems Commands (SYSCOMS). The results of this initiative are intended to provide a baseline of existing M&S capabilities that will be leveraged toward more effectively meeting the needs of Naval RDT&E, while reducing unnecessary M&S duplication and increasing the reuse of M&S capabilities across the SYSCOMS. Please contact Dr. Scott Foisy at scott.foisy.ctr@navy.mil for additional information.

M&S Capability Learning

One critical component of the ASN M&S Strategic Roadmap is providing the M&S Learning (Education and Training) opportunities to key M&S personnel. Our strategic efforts for M&S education and training will include the development of M&S curricula and classes to include best practices in modeling and simulation and innovative use of RDT&E capabilities to support acquisition programs and urgent needs. This training will develop sufficient workforce understanding of M&S methods, capabilities, and opportunities for improved performance, cost, and schedule of warfighter capabilities. Training must be enhanced to include comprehensive hands-on cases in which real models and simulations are applied to support decision-making.



This effort will develop M&S curriculums and classes for Program Managers, APMs, IPTs, PEO/SES Executives and M&S Professional workforce. The goal is to educate these communities on how to utilize M&S during all phases of the lifecycle including concept, design, prototyping, S&T, T&E, training, and logistics. These courses will also provide practical lessons informing students of the DON's M&S Technology and Tools available for their use.

Our M&S Training Team is working with Naval Postgraduate School (NPS), DAU, and MSIAC as well as many universities and colleges. There are now M&S Doctoral programs, Graduate level and undergraduate level programs and many M&S certificates available through this vast variety of education and training opportunities.

Please contact Ms. Kathy Steele at kathy.steele.ctr@navy.mil for additional information

Government/Industry/Academia Partnership

This is the section of the roadmap that ties everything together with our thorough list of agencies and organizations that work with Modeling and Simulation. The groups and organizations in which we interface include: Navy Modeling and Simulation Office (NMSO), Modeling and Simulation Coordination Office (MSCO), National Modeling and Simulation Coalition (NMSC), DoD HPC/Academia Partnership, The Open Group, Joint Atlantic Chesapeake Range Cooperative (JACRC), M&S Forums within NAVSEA, NAVAIR and SPAWAR, and the Marine Corps, other Naval government agencies, VA and MD M&S organizations, Academic institutions, and contacts throughout the M&S industry. Please contact Mrs. Jeanine McDonnell Zubowsky at jmcdonnell@commandposttech.com for additional information.